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APPLICATION NO.	TION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY D		ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/520,348	01/04/2005	Toru Ikuta	2224-0237PUS1	5464
2292 7590 06/28/2007 BIRCH STEWART KOLASCH & BIRCH			· EXAMINER	
PO BOX 747 FALLS CHURCH, VA 22040-0747			KNABLE, GEOFFREY L	
			ART UNIT	PAPER NUMBER
			1733	
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			NOTIFICATION DATE	DELIVERY MODE
			06/28/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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•	Application No.	Applicant(s)			
	10/520,348	IKUTA, TORU			
Office Action Summary	Examiner	Art Unit			
	Geoffrey L. Knable	1733			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
 1) Responsive to communication(s) filed on 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. 					
Disposition of Claims					
4) ⊠ Claim(s) 1-21 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) 1-21 are subject to restriction and/or expressions.	vn from consideration.	,			
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine 11).	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate			

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Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-20, drawn to a rubber reinforced structure in the form of a tire and method for formation thereof.

Group II, claim 21, drawn to a process for producing a rubber reinforced structure in the form of a tire.

- 2. The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: The invention of group I is characterized by the specific nature of the rubber and resin materials being bonded whereas the invention of group II is characterized by a specific bonding technique relating to solvent swelling, there being no corresponding specifics of the resin or rubber being bonded. As such, they lack the same or corresponding special technical features
- 3. This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

Note however that the claims as presented (including various overlapping combinations, genuses and subgenuses) make it somewhat difficult to accurately identify the scope of the various species, the following reflecting the examiner's best judgment on the presented species. Rejoinder will however be considered as appropriate upon any indication of allowable subject matter.

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Species are present as follows representing the different resins (designated A#) as well as species representing the different rubber/vulcanizing agents (designated B#) - one should be selected from each group A and B to provide the complete election (it being noted that the ultimate species elected should be internally consistent with the disclosed and claimed species - i.e. note for example that the species characterized by the orbital interaction energy only apparently apply for species related to rubber with radical agents and thermoplastic resins).

Resins:

A1-A7: any one of the thermoplastic resins identified and enumerated by numbers (1) - (7) on pages 25-39 of the specification;

A8: resin with crosslinkable group;

A9-A15: A combination of a resin with crosslinkable group and one of thermoplastic resins identified and enumerated by numbers (1) - (7) on pages 25-39 of the specification;

Rubber/agents:

B1: Rubber with radical agent in a system further limited by the specified orbital interaction energy coefficient;

B2: Rubber with radical agent in a system other than limited by orbital interaction energy;

B3: Rubber with sulfur agent.

Applicant is required, in reply to this action, to elect a single species to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply

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must also identify the claims readable on the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

The following claim(s) are generic: at least claims 16, 17 and 19 appear generic to all embodiments.

- 4. The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: Each of the species represents a separate and distinct manner of accomplishing the described bonding, specifics of the various materials for the rubber/agent and the resin each defining a different special technical feature.
- 5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Geoffrey L. Knable whose telephone number is 571-272-1220. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Crispino can be reached on 571-272-1226. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Geoffrey L. Knable Primary Examiner

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G. Knable June 24, 2007